

## CLAIMS:

1. System for identifying a person, comprising:
  - means for detecting a distribution of pressures, exerted by at least one foot (20) of the person on a surface,
  - means for storing data of a number of persons, said data comprising a detected pressure distribution pattern (A,B,C) and an associated person identification code (X,Y,Z), and
  - means for comparing a detected pressure distribution pattern (A) with stored pressure distribution patterns (A,B,C) until a match of pressure distribution patterns is found.
2. System according to claim 1, characterized in that the pressure distribution detecting means comprise a matrix sensor (40).
3. System according to claim 1 or 2, characterized in that said surface comprises a platform (10) for receiving at least one foot (20) of the person, the pressure distribution detecting means (40) comprising a layer implemented in the platform (10).
4. System according to any of claims 1 to 3, characterized in that the pressure distribution detecting means (40) comprise a matrix of electrical contacts, with a rubber having a pressure-dependent conductivity being placed between these contacts.
5. System according to claim 1, characterized in that the means for storing detected pressure distribution patterns comprise a processor (50) having a storage medium (51).
6. System according to claim 5, characterized in that the processor (50) further comprises a comparator (52) for comparing a detected pressure distribution pattern (A) with the stored pressure distribution patterns (A,B,C).

7. System according to any of the preceding claims, characterized in that it comprises a system for identifying a user of a weighing device (1).

8. A method of identifying a person, characterized in that said method comprises the steps of:

- detecting a distribution of pressures, exerted by at least one foot (20) of the person on a surface,
- storing data of a number of persons, said data comprising a detected pressure distribution pattern (A,B,C) and an associated person identification code (X,Y,Z), and
- comparing a detected pressure distribution pattern (A) with stored pressure distribution patterns (A,B,C), until a match of pressure distribution patterns is found.

9. A method as claimed in Claim 8, characterized in that said method is a method of identifying a user of a weighing device (1).